

NRC FORM 114  
(5-90)  
NRCM 4108

U.S. NUCLEAR REGULATORY COMMISSION

**CAREER OPPORTUNITY ANNOUNCEMENT**

DO NOT REMOVE POSTING

AN EQUAL OPPORTUNITY EMPLOYER. CANDIDATES WILL BE CONSIDERED WITHOUT DISCRIMINATION FOR ANY NON-MERIT REASON SUCH AS RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN, POLITICAL AFFILIATION, MARITAL STATUS, PHYSICAL OR MENTAL HANDICAPS, AGE, OR MEMBERSHIP IN AN EMPLOYEE ORGANIZATION.

POSITION TITLE <b>Reactor Insp (Metallurgical)</b>		ANNOUNCEMENT NUMBER <b>0259002</b>	DATES: OPENING <b>10/29/01</b>	CLOSING (Close of business) <b>01/26/02</b>	EXPIRATION (For "Open Unit Filled" vacancies remove posting on this date)
FOUNDER <b>0806</b>	GRADE <b>GG-13</b>	KNOWN PROMOTION POTENTIAL TO <b>13</b>	AREA OF CONSIDERATION <input checked="" type="checkbox"/> NATIONWIDE <input type="checkbox"/> WASHINGTON, DC COMMUTING AREA <input type="checkbox"/> REGION COMMUTING AREA <input type="checkbox"/> OTHER		TYPE OF POSITION <input checked="" type="checkbox"/> BARGAINING UNIT <input checked="" type="checkbox"/> FULL-TIME <input checked="" type="checkbox"/> PERMANENT APPOINTMENT <input checked="" type="checkbox"/> INCUMBENT IS SUBJECT TO RANDOM DRUG TESTING <input type="checkbox"/> NONBARGAINING UNIT <input type="checkbox"/> PART-TIME <input type="checkbox"/> TEMPORARY APPOINTMENT NOT TO EXCEED
ORGANIZATION LOCATION <b>Region III, Division of Reactor Safety Mechanical Engineering Branch</b>			NAME OF IMMEDIATE SUPERVISOR <b>John Jacobson</b>		
DUTY LOCATION <b>Lisle, Illinois</b>		TRAVEL REQUIREMENTS <b>35 percent</b>			

APPLICATION INSTRUCTIONS: COMPLETE AND SUBMIT THE FOLLOWING TO THE ADDRESS SPECIFIED AT THE BOTTOM OF THIS PAGE. (Use the Vacancy Announcement Number in all correspondence.)

1. AN UPDATED SF-171 PERSONAL QUALIFICATIONS STATEMENT OR APPLICATION FOR GOVERNMENT EMPLOYMENT OR RESUME
2. AN NRC FORM 115, VACANCY APPLICATION STATUS NOTICE (NRC applicants only)
3. A COPY OF YOUR CURRENT PERFORMANCE APPRAISAL OR A SIGNED STATEMENT THAT IT IS NOT AVAILABLE.
4. NRC APPLICANTS (ONLY): FOUR COPIES OF APPLICATION MATERIALS REQUESTED.
5. THE NRC IS A ZERO-TOLERANCE AGENCY WITH RESPECT TO ILLEGAL DRUG USE.
6. OTHER (Specify): **Addressing rating factors mandatory.**

NOTICE: APPLICATIONS MAY BE REFERRED TO THE RATING ENTITY A MINIMUM OF SIXTEEN (16) CALENDAR DAYS AFTER OPENING DATE.

NONBARGAINING UNIT POSITIONS ONLY. CANDIDATES WHOSE PRESENT PROMOTION POTENTIAL DOES NOT EXCEED THE POTENTIAL OF THIS VACANCY MAY NOT BE SUBJECT TO RATING PROCEDURES AND MAY BE REFERRED DIRECTLY TO THE SELECTING OFFICIAL.

DUTIES OF POSITION (If this position is announced at multiple grade levels, these duties describe the full performance level; at lower grade levels the duties may vary slightly and will be performed under somewhat closer supervision.)

Serves as a member of the Mechanical Engineering Branch, assigned responsibilities for the inspection and assessment of nuclear power plant engineering activities with emphasis on materials issues. This includes such functions as design, fabrication, installation, inservice inspection (ISI), repair, and maintenance of piping systems, structures, and components to assure the safety of Nuclear Regulatory Commission (NRC) licensed facilities. Conducts technical reviews of licensee activities

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QUALIFICATIONS REQUIRED (If the position is announced at multiple grade levels, these qualifications describe the full performance level, unless otherwise specified. The position description, immediate supervisor, and/or NRC Manual chapter and Appendix 4108 can be consulted for more detailed qualification requirements and/or interpretation of qualifying experience.)

Candidates may meet the Basic Qualification requirements by having at least one year of experience at the next lower grade level in the occupational series listed above or in another series performing like or similar duties. Candidates also require knowledge of the theory, principles and practices of Metallurgical engineering as evidenced by a bachelor's degree in metallurgy or equivalent combination of engineering degree, training, and experience. Experience should demonstrate a

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RATING FACTORS (Applicants are strongly encouraged to submit a statement addressing the Rating listed below.)

1. Demonstrated knowledge of the theory, principles, and practices of metallurgical/materials engineering.

Describe specific experience, training, and accomplishments which demonstrate your knowledge of the theory, principles, and practices of metallurgical/materials engineering.

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FOR ADDITIONAL INFORMATION CONTACT

Deborah S. Brower

Email: DSB3

Mail Stop: R-III

TELEPHONE

AREA  
CODE  
**630**

NUMBER

**829-9512**

SEND APPLICATION MATERIALS TO:

<input type="checkbox"/> Human Resources Executive & Operations Office of Human Resources	<input type="checkbox"/> Region I Personnel Officer	<input type="checkbox"/> Region II Personnel Officer	<input checked="" type="checkbox"/> Region III Personnel Officer	<input type="checkbox"/> Region IV Personnel Officer
U.S. Nuclear Regulatory Commission Washington, D.C. 20555	U.S. Nuclear Regulatory Commission 475 Allendale Road King of Prussia, PA 19406	U.S. Nuclear Regulatory Commission 61 Forsyth Street, SW (23785) Atlanta, GA 30303	U.S. Nuclear Regulatory Commission 801 Warrenville Road Lisle, IL 60532	U.S. Nuclear Regulatory Commission 611 Ryan Plaza Drive, Suite 400 Arlington, TX 76011

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DUTIES OF POSITION - CONTINUED

to assure compliance with regulations of the NRC, and to enforce the provisions of the permits, licenses, rules, and orders pertinent to the mission of the NRC. Provides assistance to the Regional staff on matters related to materials engineering which require a knowledge of metallurgy, welding, nondestructive examination (NDE), and failure analysis.

INDIVIDUAL SELECTED FOR THIS POSITION WILL ALSO BE SUBJECT TO PREAPPOINTMENT DRUG TESTING UNLESS CURRENTLY IN AN NRC POSITION SUBJECT TO RANDOM DRUG TESTING.

QUALIFICATIONS REQUIRED - CONTINUED

thorough comprehension of the field of metallurgy and substantial knowledge of chemistry, physics, mechanics, and mathematics, sufficient to perform as an expert in materials issues associated with plant systems, structures, and components. Must be capable of interpreting reports of metallurgical analysis.

RATING FACTORS - CONTINUED

2. Demonstrated skills and experience applicable to inspecting/evaluating activities and events related to metallurgical engineering issues, including an understanding of physical metallurgy, analytical techniques, and processes.

Describe specific experience, training and accomplishments which demonstrate your ability to inspect nuclear power plant materials engineering related issues such as material properties, failure analysis, repair, welding, and heat treating. In addition, describe specific experience, training and accomplishments which demonstrate your knowledge of applicable codes and standards used for design, fabrication, installation and inspection of systems, structures and components.

3. Demonstrated knowledge of the design/operation of a nuclear power plant, including NRC regulations and inspection program.

Describe specific experience and training which demonstrate your knowledge of the design and/or operations of a nuclear power plant (commercial or military). Include a discussion of your knowledge of NRC regulations and inspection program.

4. Demonstrated oral and written communications skills.

Describe specific experience, training, and accomplishments which

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**RATING FACTORS - CONTINUED**

demonstrate your ability to lead complex technical discussions and to consolidate complex and diverse opinions into concise, balanced and well founded recommendations; ability to establish effective working relationships with supervisors, peers, and government or industry officials, and demonstrated ability to develop and implement successful approaches to problem solving and conflict resolution. Describe your ability to prepare written documents; e.g., technical information proposals, analytical reports or management reports. Evidence of the level of the quality of ability, participation, or product will be given greater weight than number of years of experience or completion of an activity.

ALL APPLICANTS ARE REQUIRED TO PROVIDE A NARRATIVE STATEMENT ADDRESSING THE RATING FACTORS LISTED ABOVE.

NOTE: Breadth of experience in the field, training, awards and commendations, and past and current performance will be reviewed as they relate to each of the above factors to determine the level of knowledge, skill or ability of candidates.

NOTE: WHILE THE VACANCY CLOSES ON 01/26/02, APPLICATIONS MAY BE REFERRED TO THE RATING ENTITY A MINIMUM OF SIXTEEN (16) CALENDAR DAYS AFTER OPENING DATE.

SALARY RANGE: \$64,800 - \$\$84,245

**CONDITIONS OF EMPLOYMENT:**

Under Executive Order 11935, only United States citizens and nationals (residents of American Samoa and Swains Island) may compete for civil service jobs. Agencies are permitted to hire noncitizens only in very limited circumstances where there are no qualified citizens available for the position.

A background security investigation will be required for all new hires. Appointment will be subject to the applicant's successful completion of a background security investigation and favorable adjudication. Failure to successfully meet these requirements will be grounds for termination.

Appointment is subject to a two-year trial period (one year for veterans).

Selection will be made without regard to race, color, religion, sex, national origin, political affiliation, marital status, non-disqualifying physical or mental handicap, age, membership or non-membership in an employee organization, personal favoritism or other non-merit factors.

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**RATING FACTORS - CONTINUED**

Reasonable accommodations will be made for qualified applicants or employees with disabilities, except when doing so would pose an undue hardship on the employing office.

Veterans who are preference eligibles or who have been separated from the armed forces under honorable conditions after 3 years or more of continuous active service may apply.

**VETERANS PREFERENCE:** If claiming 5-Point Veterans Preference, you must attach a copy of your DD-214, Certificate of Release or Discharge from Active Duty, or other proof of eligibility. If claiming 10-Point Veterans Preference, you must attach a Standard Form (SF) 15, Application for 10-Point Veterans Preference, plus the proof required by that form.

**REINSTATEMENT/TRANSFER ELIGIBLES:** Current or former Federal employees with status (tenure group 1 or 2) will be considered through merit promotion procedures under this announcement and must submit a copy of the SF-50, Notification of Personnel Action, to verify their competitive status/reinstatement eligibility. Please note: NRC EMPLOYEES DO NOT HAVE TO SUBMIT AN SF-50. Status applicants, both NRC Employees and others, who wish to be considered under both merit promotion and external appointment procedures must submit two complete application packages. If only one application package is received, it will be considered under the merit promotion announcement only.

**EXECUTIVE AGENCIES ARE PROHIBITED FROM ACCEPTING OR CONSIDERING APPLICANTS FOR COMPETITIVE APPOINTMENTS OR POSITIONS BASED ON POLITICAL RECOMMENDATIONS FROM MEMBERS OF CONGRESS, CONGRESSIONAL EMPLOYEES, ELECTED STATE OR LOCAL GOVERNMENT OFFICIALS, AND POLITICAL PARTY OFFICIALS. SUCH OFFICIALS MAY ONLY SUPPLY STATEMENTS REGARDING THE CHARACTER AND RESIDENCE OF THE APPLICANT.**